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JUL 31 2001

Docket No. 23623-7043

RECEIVED

Certificate of Mailing/Transmission (37 C.F.R. § 1.8(a)):

[X] Pursuant to 37 C.F.R. § 1.8, I hereby certify that this paper and all enclosures are being deposited with the United States Postal Service as first class mail on the date indicated below in an envelope addressed to the Assistant Commissioner for Patents, Washington D.C. 20231.

[ ] Pursuant to 37 C.F.R. § 1.6(d), I hereby certify that this paper and all enclosures are being sent via facsimile on the date indicated below to the attention of Examiner \_\_\_\_\_ at Facsimile No. \_\_\_\_\_ at \_\_\_\_\_ a.m./p.m.

Dated: July 23, 2001

Name of Person Certifying: Nancy Hine  
Printed Name: Nancy Hine

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jones et al. Assignee: Genencor International, Inc.  
Filing Date: November 9, 1999 Examiner: Patterson, C.  
Serial No.: 09/436,513 Group Art Unit: 1652  
Title: Chemically Modified Mutant Serine Hydrolases Show  
Improved Catalytic Activity And Chiral Selectivity

RESPONSE TRANSMITTAL

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action mailed on January 25, 2001, enclosed herewith for filing are the following:

- A Response/Amendment, 17 pages;
- Substitute Specification, 50 pages, Doc. ID No. 21338163.1 and attached Substitute Drawing Sheets, 7 sheets;
- Statement That Substitute Specification Contains No New Matter, 2 pages and Interlineated Substitute Specification, 50 pages, Doc. ID No. 21357946.1;
- Courtesy copy of Transmittal Drawing Correction, 3 pages.

Also included are:

- A Petition for Extension of Time [3] months [1] page
- Information Disclosure Statement
- [ ] page(s) of PTO-1449 [ ] copies of IDS citations
- Applicant(s) claim Small Entity Status under 37 CFR § 1.27.
- Other: \_\_\_\_\_
- Return Postcard

01/27/2001 TGEBAKU 00000033 501193 09436513

01-FCTTIT 890.00 CH

| Fee Calculation   |           |                                   |         |                              |  | CALCULATIONS                 |
|---|-----------|-----------------------------------|---------|------------------------------|--|------------------------------|
| <input checked="" type="checkbox"/> The following fees are submitted: |           |                                   |         |                              |  |                              |
| EXTRA CLAIMS FEE  |           |                                   |         | OTHER THAN<br>SMALL ENTITY   | SMALL<br>ENTITY                        | \$                           |
| CLAIMS  | CURRENT # | # OF CLAIMS<br>PREVIOUSLY<br>PAID | # EXTRA | RATE                         | RATE                                   |                              |
| Total Claims  | 22        | 32                                | --      | × \$18.00                    | × \$9.00                               | \$ -0-                       |
| Independent claims  | 2         | 3                                 | --      | × \$80.00                    | × \$40.00                              | \$ -0-                       |
| MULTIPLE DEPENDENT CLAIM(S)   |           |                                   |         |                              |  |                              |
|   |           |                                   |         | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |                              |
| Petition for Extension of Time Fee (3 months)                         |           |                                   |         |                              |  | \$890.00                     |
| OTHER FEES _____ (specify)  |           |                                   |         |                              |  | \$                           |
|   |           |                                   |         |                              |  | <b>TOTAL FEES = \$890.00</b> |

- Conditional Petition for Extension of Time: An extension of time is requested to provide for timely filing if an extension of time is still required after all papers filed with this communication have been considered.
- A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- Please charge Deposit Account No. 50-1193, Docket No. 23623-7043, in the amount of \$890.00 to cover the above-fees. *A duplicate copy of this sheet is enclosed.*
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-1193, Docket No. 23623-7043. *A duplicate copy of this sheet is enclosed.*

DATE: July 23, 2001

Respectfully submitted,

By:   
 Michael J. Shuster, Ph.D.  
 Registration No.: 41,310

McCutchen, Doyle, Brown & Enersen, LLP  
 Three Embarcadero Center, Suite 1800  
 San Francisco, California 94111  
 Telephone: (415) 393-2000  
 Telefax: (415) 393-2286

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PATENT & TRADEMARK OFFICE  
U.S. DEPARTMENT OF COMMERCE

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Dated: July 23, 2001

Name of Person Certifying: Nancy Hine  
Printed Name: Nancy Hine

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

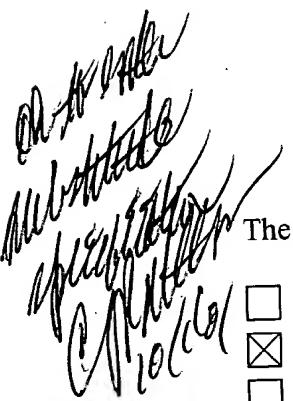
|              |  |                 |                              |
|--------------|--|-----------------|------------------------------|
| Applicant:   | Jones et al.   | Assignee:       | Genencor International, Inc. |
| Filing Date: | November 9, 1999   | Examiner:       | Patterson, C.                |
| Serial No.:  | 09/436,513   | Group Art Unit: | 1652                         |
| Title:       | Chemically Modified Mutant Serine Hydrolases Show Improved Catalytic Activity And Chiral Selectivity |                 |                              |

**STATEMENT THAT SUBSTITUTE SPECIFICATION CONTAINS NO NEW MATTER (37 CFR § 1.125)**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

1. Identification of person making this statement:

  
 Michael J. Shuster, Ph.D.  
 McCutchen, Doyle, Brown & Enersen, LLP  
 Three Embarcadero Center, Suite 1800  
 San Francisco, CA 94111

The person making this statement is:

- The inventor in this application
- The attorney in this application, Registration Number 41,310
- Other

2. Statement:

I hereby state that the accompanying substitute specification contains no new matter over that contained in the above-identified application originally filed.

*(Complete the following, if applicable)*

- I further state that the changes made are the same as indicated in the interlineated substitute specification also accompanying this statement

DATE: July 23 2001

Respectfully submitted,

By:

  
Michael J. Shuster, Ph.D.  
Registration No.: 41,310

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